



4

SEQUENCE LISTING

<210> 1
<211> 27
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Erk5-specific
primer
<400> 1

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26

<210> 2
<211> 25
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<223> Description of Artificial Sequence: Erk5-specific
primer
<400> 2

tataacattc tcatggcgga atcgc

25

<210> 3
<211> 802
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<213> Mus musculus
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<221> misc_feature
<222> (1)..(38)
<223> partial sequence of exon 2 from Erk5 gene
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gacaaaacan aaaaccnaaa cagcaatnta nganaaggga gagagggcnc agacngnccg 420
ggacagatcc aaattgtaag acaacggaca caatacattg tagtgtcaca cagcagtgtc 480

ctcatggcag acaactaatt attcacagaa tacctcctta aaaatagagt cttcaacata 540
gctttttcag tagctgttgg caaactgtag agtttgctct aaaattaacc atactggcca 600
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ggagaaagtg atttgtcaga aagcttgtaa aaaagtttgg ggctnggaaa aaacccgatt 720
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ttcaccgggg ggcntaaact tt 802

<210> 4

<211> 794

<212> DNA

<213> Mus musculus

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<221> misc_feature

<222> (1)..(794)

<223> Partial sequence of 3' Erk5-specific primer

<220>

<221> misc_feature

<222> (547)..(794)

<223> Partial sequence of exon 3 from the Erk 5 gene

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naccagggc acccaagtag tacacatacg ttcaggaaan catacacata cgtttaagaa 180
aactttataa aagttgtggc cagncggtgg tggcgcatgc ctttaatccc agcactgggg 240
aggcagaggc aggcagatct cttgagtttt gggtttgagg ccaacctggt ctacaagagc 300
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gaatgaaagt tgtagaaaac ctaaaacccg gtgnnnaant ccncncttcc catgntgtta 420
gtcctttggg gtttctactgt aaggccataa cctcaggaat tgggagtgcc aggggacgga 480
gtgccagggg gggcttctcc ctgtgatgtg aggaggctag ctcaccogtt tcttcccatt 540
ttcagctatg tggtagtga cctcatggag agcgacctac accagatcat tcactcttca 600
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tacatgcact ctgtcaggt catccaccgt gatcttaaac cctctaacct tctggtcaat 720
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tgccgagcac caga 794

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<212> DNA

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<221> misc_feature

<222> (1)..(632)

<223> Partial sequence of Erk5 probe

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cacaggctgc ananaagntg gaacgnattg ttgncgaatg ccctccngtc gtgcatgaaa 180
gtcttcattc tcagccacaa tggcctcctt aatgcgctcc ctggtaaggg cttcacgggt 240
caaaagcaaa gtcaaaaggt ggggcgcaat caggctcatc atcaggggtca tggtagcttag 300
ccagaagggg tgcgaaggca gcagcagtna gattcgggcn ctgggttcaa ntgcgacat 360
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aggttgccct ggtggcaggc tctggatata ggctcgacc ctttcagccc ccacagcctg 480
aatcacagct ggtgacggag ttcccaacac catcatgatc agctgtaact ggtgcacgta 540
gtttttgcct gggaagagct ggcgccgagc cagcatctca ccaaagatgc agcccacaga 600
ccagaggtcg attgcctgcg gtatactcgt gc 632
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<210> 6

<211> 617

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> (456)..(617)

<223> partial sequence of *NheI-EcoRI* fragment in targeting construct

<221> misc_feature

<222> (456)..(617)

<223> partial sequence of exon2 from the Erk 5 gene

<400> 6

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aaaaaagttt tgttctaaga ccanngaatn ggcagaatga agtggngaag gattagggag 180
antctggaat gacctnanta tggtagtagt gaagggaaga aggatcagtt aatncagtca 240
caancnnntg ctaactaacg ngcctcctnt ttatgtaagc nattagcanc ngtttcnnga 300
ggcagttgga aattaaaatn ttgatatatg ttacacacag ggcntgcac cacagtaggg 360
acttnatgnn ntntgggntc cagaagagca gtgctgaagg gacctgcagc taacttgaag 420
gtactctctg gtatatgccc ttttctgct cccagggcca gcaggtggcc atcaagaaga 480
tacctaattg ttttgatgtg gtgaccaatg ccaaacggac cctcaggag ctgaagatcc 540
tcaaacactt caaacacgac aatatcatcg ccatcaagga catcctgaag cctactgtgc 600
cctatggaga attcttc 617
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